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GROUP 1700

LISTING OF CLAIMS

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Claims 1-3 (Canceled)

4. (Currently amended) The soil adjuvant of claim 3 14, wherein said carrier is wheat middlings.

Claim 5 (Canceled)

6. (Currently amended) The soil adjuvant of claim 4 14 further comprising glutamic acid.

7. (Currently amended) The soil adjuvant of claim 4 14 wherein said dried fermentation solubles are dried glutamic acid fermentation solubles.

8. (Original) The soil adjuvant of claim 7 where said dried fermentation solubles are dried corn fermentation solubles.

9. (Currently amended) The soil adjuvant of claim 4 14 where said dried fermentation solubles comprises a mixture of dried glutamic acid fermentation solubles and dried corn fermentation solubles.

Claims 10-13 (Canceled)

14. (New) A soil adjuvant comprising fermentation solubles dried to a total moisture content of less than thirty percent (30%) by weight; said fermentation solubles being chosen from the group consisting of glutamic acid fermentation solubles, dried corn fermentation solubles, fermentation bi-products derived from a fermentation of fungal or bacterial origin, and combinations thereof, said soil adjuvant forming a blended source of organic and inorganic nitrogen of variable solubility's in the form of non-protein nitrogen, peptides, amino acids and intact protein, wherein said dried fermentation solubles having been dried to a total moisture content of less than thirty percent (30%) by weight at a temperature not less than 80° F and not more than 900° F, said soil adjuvant further comprising a carrier, said soil adjuvant comprising a mixture of fermentation solubles and a carrier in a ratio of about 1:10 to about 10:1 by weight then the soil adjuvant is added to soil to enhance the organic and

inorganic nitrogen content of the soil to maximize plant uptake of nutrients while preventing loss of nutrients through leaching and run-off.

